

WHAT IS CLAIMED IS:

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1. An image forming apparatus comprising:
an image bearing member;
a transfer member for transferring an image from
5 said image bearing member to a recording material;
fixing means for fixing an image onto the
recording material, said fixing means including a
heating member and back-up roller for forming a nip
in cooperation with said heating member;
10 wherein said back-up roller has a conductive
material containing layer; and
wherein a voltage applied to said transfer
member when the recording material is a resin sheet
is lower than a voltage applied thereto when the
15 recording material is paper.

2. An image forming apparatus according to
claim 1, wherein the voltage applied to said transfer
member when the recording material is a resin sheet
20 is 3% to 80% of the voltage applied thereto when the
recording material is paper.

3. An image forming apparatus according to
claim 1, wherein a resistance value of said
25 conductive material containing layer of said back-up
roller is equal to or less than 10^{13} Ω /sq in terms of
a surface resistance or equal to or less than 10^{11} Ω cm

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in terms of a volume resistance.

4. An image forming apparatus according to claim 1, wherein said back-up roller has an elastic layer and a surface resin layer, and at least one of said elastic layer and said surface resin layer contains the conductive material.
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